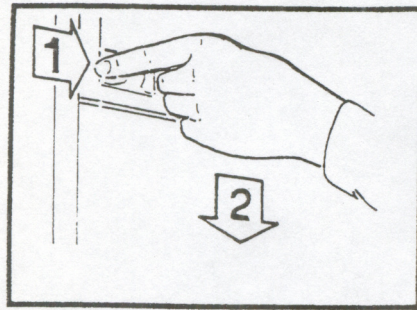
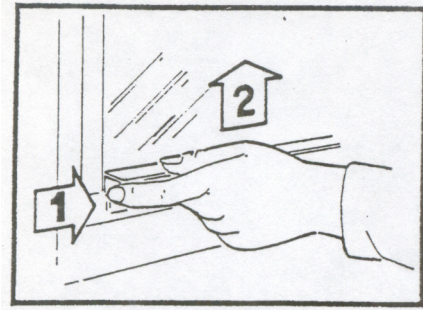




DeVAC Model 660 Operating Instructions



To Open For Ventilation:

To raise the interior lower sash:

1. Grasp the bottom lift rail and pull the pin locks toward the center of the window to disengage the window, see (figure 1).
2. Hold the pin lock knobs in the engaged position and lift up on the sash, bringing it to slightly higher than the desired ventilating position.
3. Release the pin lock knobs while holding the sash in position. Then slowly lower the sash until the pin locks engage with the ratchet holes in the frame jambs.
4. After pin locks are firmly engage, release your grip on the lift rail.
5. Ratchet design allows the sash to be raised from a lower vent position to a higher one without disengaging the pin locks knobs. To raise the sash without using the pin locks, when the window is already open, grip the lift rail firmly and lift the sash until both pin locks engage in the desired ratchet position.

To lower the bottom interior sash:

1. Grasp the bottom rail support on the sash and pull both pin lock knobs firmly toward the center of the window, (Figure 2), to disengage the pin locks
2. Slowly lower the sash to the desired position, releasing both pin lock knobs after the sash has been lowered to the desired position.
3. If the sash is to be closed and locked, firmly seat both corners of the sash to the sill.

To lower the upper sash:

1. Grasp the top rail support on the sash and pull both pin lock knobs firmly toward the center of the window, (Figure 2), to disengage the pin locks.
2. Slowly lower the sash to the desired position, releasing both pin lock knobs after the sash has been lowered to the desired position.

To raise the upper sash:

1. Grip the lift rail firmly and lift the sash until both pin locks engage in the desired ratchet position.
2. If the sash is to be closed and locked, firmly seat both corners of the upper sash to the frame head.

To operate the bottom exterior sash:

1. Refer to the instructions on how to operate the interior lower sash.





Maintenance Instructions DeVAC Model 660



Figure A-1.



Figure A-2.

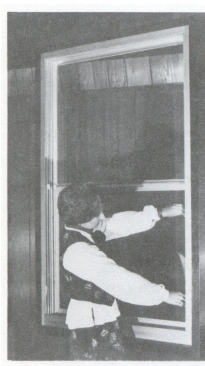


Figure B-1.



Figure B-2.



Figure B-3.

A. Removal/Insertion of sash and screens

Sequence of removal:

1. Bottom interior sash
2. Top interior sash
3. Bottom exterior storm sash
4. Screen (if furnished)
5. Top exterior storm sash

Sequence of reinsertion:

1. Top exterior storm sash
2. Screen (if furnished)
3. Bottom exterior storm sash
4. Top interior sash
5. Bottom interior sash

A. To remove bottom interior prime sash:

1. Raise sash to a convenient vent position.
2. Grip the bottom right corner of the sash with the right hand and upper right corner of the sash with the left hand (see figure A-1), positioning the hands so that the thumb can operate the appropriate pin lock knob.
3. Retract the right pin lock knob; firmly push the sash to the left until the right edge of the sash clears the right jamb frame. Move the right edge of the sash toward you to clear the frame (pin locks can be released as the sash clears the frame), and then move the sash to the right and out of the frame (see figure 2-A).

Note: Best results are achieved when step 3 is performed as a smooth series of events rather than individual motions.

B. To remove top interior prime sash:

4. Lower the sash to a convenient vent position.
5. Grip the bottom right corner of the sash with the right hand and upper right corner of the sash with the left hand (see figure A-1), positioning the hands so that the thumb can operate the appropriate pin lock knob.



6. Retract the right pin lock knob; firmly push the sash to the left until the right edge of the sash clears the right jamb frame. Move the right edge of the sash toward you to clear the frame (pin locks can be released as the sash clears the frame), and then move the sash to the right and out of the frame (see figure 2-A).

C. To remove bottom storm sash:

7. Raise the storm sash to a convenient vent position.
8. Grip the bottom right corner of the sash with the right hand and upper right corner of the sash with the left hand (see figure A-1), positioning the hands so that the thumb can operate the appropriate pin lock knob.
9. Retract the right pin lock knob; firmly push the sash to the left until the right edge of the sash clears the right jamb frame. Move the right edge of the sash toward you to clear the frame (pin locks can be released as the sash clears the frame), and then move the sash to the right and out of the frame (see figure 2-A).

D. To remove screen (and upper storm sash)

10. Grip the screen handle(s), (see figure B-1).
11. Firmly push the screen to the left until the right edge of the screen clears the right jamb. Then push the right edge of the screen to the exterior to clear the frames. Without fully releasing your grip on the screen, reposition your hands so that the right hand grips the right edge of the screen and the left hand grips the bottom edge of the screen (see figure B-2).
12. Turn the screen as needed and bring it back through the window frame to complete the removal (see figure B-2).
13. Follow the same procedure on the upper storm sash as you used for the screen (See figure B-3).

*Notes: * Stand the sashes in order and orientation removal, to facilitate reinsertion.*

** Do not stack the sashes flat, because of a greater potential for breakage or damage.*

** Exercise care in removing the sashes in wet or windy conditions, to prevent damage or personal injury. Close any doors in the room to prevent strong drafts.*

E. Cleaning and inspection

All sashes are now available for cleaning and inspection. Be sure to keep sashes in order of removal and in correct orientation (do not rotate, turn upside down, or reverse) for proper reinsertion. For safety and continued thermal efficiency, all glass should be clean, and any cracked or broken glass replaced.

See separate instructions titled "Care after Installation" and "Sash Reglazing".

F. Reinsertion of the sash

Reverse the procedure of that described for removal. Check to make sure you have the correct sash properly positioned for reinsertion. Screens install with the handles on the inside and those handles should be to the left.

